

# Jazer Barclay

Portfolio: [www.jazer.dev](http://www.jazer.dev)

Email: [contact@jazer.dev](mailto:contact@jazer.dev)

LinkedIn: [linkedin.com/in/jazer-barclay](https://www.linkedin.com/in/jazer-barclay)

Mobile: [07759 228812](tel:07759228812)

## Profile

Second year Computer Science student at the University of Brighton focusing on full stack software development, scalable infrastructure and developing for embedded systems; currently looking for an opportunity to grow and learn on a summer internship.

I am a self-motivated and disciplined developer with a strong knowledge of software development, server hosting, electronics and embedded design with over 10 years of education and formal work experience combined.

## Technical Skills

- HTML & CSS
- JavaScript
- NodeJS
- Java
- Linux
- PostgreSQL
- Git & GitHub
- Electronics & PCB
- Agile Development

## Education and Qualifications

### **University of Brighton, Computer Science (BSc Hons)**

Sept 2020 – July 2023

- **On track for a 1<sup>st</sup>** after achieving **above 70%** in all first year modules, including **100%** in computing technologies and an **81%** year average.
- **Student representative** for first and second year, assisting students through remote learning and providing personal support in my spare time.

#### **Modules include:**

- **Introduction to web development (89%)** - For our first year we covered HTML, CSS and JavaScript. With this we created a learning journal documenting our progress and serving as a markable piece. [Demo: jb2139.brighton.domains/ci435](http://demo.jb2139.brighton.domains/ci435)
- **Introduction to Programming (77%)** – With a focus on Java and object oriented programming paradigms we were tasked with upgrading skeleton code for a breakout inspired game or to do a freestyle project. I chose to build a space invaders clone using JavaFX following the MVC design pattern and tracked all the code alongside the final report on [GitHub: github.com/jazerbarclay/invaders-java](https://github.com/jazerbarclay/invaders-java).
- **Working in the computing industry (76%)** – For this module we worked in teams of 3 to create a cyber security website aimed at students in their first year of secondary school. I took on the roles of project manager and developer using project management and collaboration tools including Trello, GitHub, Notion and Microsoft Teams. [Demo: jb2139.brighton.domains/ci453](http://demo.jb2139.brighton.domains/ci453)

### **Bexhill College**

Sept 2011 – July 2014

- **A Levels:** Electronics (**B**), IT (**C**), Computing (**D**)

### **Claverham Community College**

Sept 2011 – July 2014

- **GCSEs:** 10 at grades **A - C** including Science (**A**), English (**B**) and Maths (**B**)

## Work Experience

### **Self-Employed Technician & Software Developer**

July 2017 – June 2020

Tora Tech, Sidley

- **Full time technician** supporting businesses and residential customers via remote and on-site assistance for **hardware repairs, upgrades and installations**.
- Software developer designing and building bespoke websites **increasing sales by up to 20%** and providing a greater online presence for new businesses such as dry cleaners, barbers and beauty shops.
- Maintained Linux and Windows Servers **facilitating 99% uptime** with the remaining **1% for scheduled maintenance** at a local mechanics and kitchen retailer.

### **Software Developer & IT Support**

June 2014 – March 2017

Terinea Ltd, Bexhill-On-Sea

- Full time Java software developer **building an enterprise retail platform deployed across the UK** using Java, PostgreSQL, Google Web Toolkit, Tomcat, Ant and tracked with SVN.
- To improve internal development, **I created a lightweight Java application** for generating user interfaces which automatically integrated with database tables **halving interface development time** and **reducing maintenance time** by employing a standard format that all future screens followed.

## Projects

**Project:** Full-Stack Website, API and Blog

**Technologies Used:** Ubuntu, Nginx, Docker, React, HTML, CSS, JS, Node, GitHub

- Created a script to generate wildcard certificates for all subdomains
- Personal portfolio auto-deployed using GitHub Actions on mainline commit
- React frontend interface populates data using an internal route to the NodeJS API

**Project:** Nixie-Tube Clock

**Technologies Used:** C, Arduino, PCB design, Soldering

- Built a clock using cold cathode display tubes (IN-12 nixie tubes)
- Uses an RTC module to store the current date and time when unplugged
- Clock state is tracked in the Arduino sketch and sent to shift registers

## Interests and Hobbies

Cycling helps me clear my mind and keeps me in good shape which is very much required when working stationary for extended periods of time.

Audiobooks have given me a new way of absorbing information and is now one of my favourite habits to indulge in. “The power of habit” had a profound effect on me and has inspired me to start “Atomic habits” with “Thinking fast and slow” ready on the shelf.

## References

Available upon request